

ZITNANSKY, M., inz., ADAMKA, J., inz., BENKO, B., inz.

Welding in making sculptures. Tech praca 15 no.
12: 993-995 D '63.

1. Slovenska vysoka skola technicka, Bratislava.

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

BENKO, Bernard; ZITNANSKY, Marcel; ADAMKA, Jozef

Welding in sculpture. Zvaranie 13 no.8:231-234 Ag '64.

1. Slovak Higher School of Technology, Bratislava.

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6"

GALAN, Pavol, inz.; ZITNANSKY, Marcel, inz.

A study of the ferritic layer of welded joints in resistance
butt welded low-carbon unalloyed steel. Zvar sbor 9 no.3:367-381
'60.

1. Katedra mechanickej technologie, Slovenska vysoka skola
technicka, Bratislava.

BENKO, Bernard, inz.; ZITNANSKY, Marcel, inz.

Efficiency value of electrodes. Zvaranie 12 no.3:63-66 Mr '63.

1. Slovenska vysoka skola technicka, Bratislava.

ZITNIK, J.

The status of breast cancer in the Slovenian People's Republic.
Acta chir. Jugosl. 10 no.3:193-202 '63

l. Onkolski institut u Ljubljani; Predstojnik: prof. dr.
L.Savnik .

S.

EXCERPTA MEDICA Sec 11 Vol 9/5 O.R.L. May 56

849. ŽITNIK J. Inst. Med. visoke Šole u Ljubljani. *Radioterapija carcinoma labii oris. Radiotherapy of cancer of the lip ZDRAV. VESTN. 1955, 24/1-2 (25-27)

During a period of 4 yr. (1945-1950), 186 cases of lip cancer were treated at the Oncological Institute of the Medical University in Ljubljana. Eight (4.3%) of these cases were localized in the upper lip, 146 cases were in men, 40 in women. All the women were non-smokers. 144 cases were treated with radium and 41 with radium and wedge excision. Apart from 18 patients who were admitted to hospital

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879
In a very bad condition, freedom of symptoms after 3 yr., was obtained in 82.5%
and after 5 yr. in 81.5%.
Krajina - Zagreb

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CIA-RDP86-00513R002065230007-6"

ZITNIK, Jozef

Radiotherapy of cancer of the lips. Zdrav. vest., Ljubljana 24 no.
1-2:25-27 1955.

1. Onkoloski Institut Medicinske visoke sole v Ljubljani—
predstojnik prof. dr. L. Savnik.

(LIPS, neoplasms

radiother., (S1))

(RADIOTHERAPY, in various dis.
cancer of lips (S1))

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

L 21343-66 E/F(a)/T-2/EMA(1) TJP(c) 150
ACCESSION NR: AF5013189

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CIA-RDP86-00513R002065230007-6"

ZITNY, K., promovany fyzik

Theory of the magnetohydrodynamic boundary layer. Stroj cas
16 no.2:213-219 '65.

1. Institute of Thermomechanics of the Czechoslovak Academy of
Sciences, Prague. Submitted October 5, 1964.

The synthesis of amino acids in animal tissue. I. The influence of leucine on the synthesis of alanine in the kidney and liver. S. Kaplanski and I. Zitronstein. *Bull. biol. med. expd. U. R. S. S.* 6, 222-230 (1938).—The addn. of *d*- or *L*-alanine, *d*- or *L*-valine, glycine, cysteine, glutamic acid, aspartic acid, tryptophan, tyrosine, histidine or arginine to dog kidney tissue sections in the presence of pyruvic acid and $(\text{NH}_4)_2\text{CO}_3$ has no effect upon the synthesis of alanine (I). The addn. of 0.13-1 mg. of *d*-leucine to 2 g. of kidney tissue increases I formation 200-300%, while the addn. of 0.5-1 mg. of lysine increases the formation of I by 20-25%.

S. A. Karjala

AB-1A METALLURGICAL LITERATURE CLASSIFICATION

—the synthesis of amino acids in animal tissue. II
The influence of thyroxine on the synthesis of amino acids in the liver and kidney. I. *Zitoplazma, Biol. bul. exp., 4, N. S. R. 7, 111* (1938) (in German); cf.
C. A. 33, 2020. Dogs weighing 2.25 kg. were given subcutaneous injections of 1 mg./day of thyroxine (1) for 6-8 days. A loss in wt. of 300-740 g. was observed. The dogs were then killed and the livers and kidneys were examined for their capacity to synthesize alanine from pyruvic acid and NH₃. The livers of control animals (2 g. of tissue) synthesized 1.23-2.00 µv, 1.04 mg. of amino N, while those of the test animals synthesized 2.09-3.31 µv, 0.71 mg./2 g. of tissue. The content of performed amino N in the livers of the test animals was unchanged. An addition of 1.30 10^{-4} and 2×10^{-4} ecamsin, of 1 to normal liver and kidney tissue *in vitro* caused no increase in amino acid synthesis. If the animals were placed on a hunger diet several days before 1 injection no difference in amino acid synthesis by the liver were observed. 1 had no effect on amino acid synthesis by the kidney. The action of 1 may not be primary, but secondary, in that it increases the leucine content, which is responsible for the increased amino acid synthesis. S. A. Karjala

ABN-SEA METALLURGICAL LITERATURE CLASSIFICATION

COEDITION/PRAGUE

SITRAK, O; DR MUD; ZITRAN, DI VÁCLAV, Dr., PHD, MD, DSC
ZITRAN, DI

1. Research Institute of Rheumatic Diseases (Výzkumný ústav reumatičkych chorob), Prague; 2. Chair of Anthropology and Genetics of the Faculty of Medical Sciences of Comenius University (Katedra antropologie a genetiky přírodrodovědecké fakulty Univerzity Komenského), Praha

Prague, Václav Lepárek, 30 9, 1964, pp 646-649

"Genetic studies in Articular Chondrocalcinosis"

ZETTEL, A. I.

(2) 4
Lum

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

Synthesis of 1,4-Dichloro-3,5-disubstituted benzene and its derivatives. J. N. Wilkinson and G. S. Wilkins. J. Gen. Chem. U.S.S.R. 32, 1007-14 (1952) (Eng. translation). See C.A. 47: 0218z. H. L. H.

Ring cleavage in cyclic acetanilides. Cleavage of 6,N-dimethoxyisoquinoline. M. I. Kabachnik and A. I. Zilberman. J. Russ. Chem. (U. S. S. R.) F, 102-6 (1937).—Zincke (C. A. 7, 1711) showed that 2,6-dinitrophenylisoquinolinium chloride (I) reacts with PhNHNHCl (III) with a rupture of the pyridine ring and formation of a deriv. of the tautomeric homophthalic aldehydes: $(\text{CH}_2)_2\text{C}(=\text{O})_2\text{NHCH}=\text{CHCl}_2\text{CH}_2\text{NNHPh}$. Attempts to effect a similar ring cleavage in 2,6-dinitrophenyl-1,4-dinitro-2-pyrazolinium chloride (II) by the action of various org. bases failed to give a deriv. of the expected tautomer: diethoxyhomophthalic aldehyde $4,6-(\text{NO}_2)_2\text{-2-C}_6\text{H}_3\text{CH}(\text{OH})\text{C}_6\text{H}_3\text{CHO}$. Refluxing II with 2 mols. of PhNHNHCl in Et₂O for 8-6 hrs. resulted in about 10% 2,6-(O₂N)₂C₆H₃NNHPh, m. 137-8°, and dimethoxyisoquinoline

(IV), m. 90-9.5°. ρ -MeC₆H₄NH₂ with III gave 2,6-(O₂N)₂C₆H₃NNHMe, m. 136-7°, and IV. Piperidine gave 2,6-dinitrophenylpyridine (not isolated), $(\text{CH}_2)_2\text{N}\cdot\text{HCl}$ and IV. The treatment of II with II and ρ -O₂N₂C₆H₃NNH₂ gave mixts. of compounds, which were not identified. Papaverine (200 g.) in 70% AcOH was oxidized with 300 g. Na₂O₂ in AcOH at the boiling temp., and the ppt. was extd. with CHCl₃, giving nearly 100% papaveraldehyde, m. 200-7°. This decompr. with NaOH at 260-300° (Dobson and Perkin, C. A. 5, 2057) gave 27.5% IV, m. 91-2°. III, m. 156-5°, resulted in 80% yield from IV and 2,4-(O₂N)₂C₆H₃Cl by the Clerke method for the prepn. of I (loc. cit.). II in H₂O treated with dil NaOH pptd. the free base, which is immediately rearranged into the pseudotaurine 1-hydroxy-2-(2,6-dinitrophenyl)-6,7-dimethyl-1,3-dihydroisoquinoline, red crystals, m. 103-3° ($\text{Me}_2\text{CO} + \text{H}_2\text{O}$). The Me ester, m. 115-18°, and Et ester, m. 145-8°. About 30 references. Chus, Blum

AM-514 METALLURGICAL LITERATURE CLASSIFICATION

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

KABACHNIK, M.I., ZITSER, A.I.

"On Aminomethylanabasines and Their Acyl Derivatives--On Aminoanabasines". Zhur. Obshch. Khim., 10, No. 11, 1940. Inst. of Organic Chemistry, Academy of Sciences USSR Received.

Report U-1627, 11 Jan. 52

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6"

ZITSER, A. I.

Cand. Chemical Sci.

"Investigation in the Series of Tri-and Diphenylmethane Compounds
(Search for Substances Active Against the Tuberculosis Bacilli)."
Sub 26 Oct 51, All-Union Sci Res Chemicopharmaceutical Inst imeni
Sergo Ordzhonikidze (VNIKhFI), Ministry of Public Health USSR.

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

FEL'DMAN, I. KH., ZITSER, A. L.

Ethane

Synthesis of 1, 1, 1-trichloro-p,p'-diaminodiphenylethane and its derivatives,
Zhur. ob. khim., 32, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 1953, Uncl.

ZIMSER, A. I.

USSR/Chemistry - Antituberculosis Drugs Jun 52

"Synthesis of 1,1,1-Trichloro-p,p'-Diaminodiphenylethane and Its Derivatives," I. Kh. Feidman, A. I. Ztser, All-Union Sci Res Chem-Phar Inst imeni S. Ordzhonokidze, Moscow

"Zhur Obshch Khim" Vol XXII, No 6, pp 954-962

Synthesized the amino-analogue of DDT, 1,1,1-trichloro-p,p'-diaminodiphenylethane, and the corresponding ethylene. Contrary to foreign reports on the high tuberculostatic activity of these compds (cf. S. Kirkwood, P. H. Phillips, J Am Chem S, Vol LXIX, p 934, 1947), found them rather inactive.

210P17

FELDMAN, I. Kh.; ZITSER, A. I.

Benzophenone

Thiosemicarbazones of benzophenone and some of its derivatives. Part 2. Zhur. ob. khim. 23, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

PAVLOV, Boris Alekseyevich; TERENT'YEV, Aleksandr Petrovich,
prof. Prinimal uchastiye KORSUNSKIY, O.V.; RUKHADZE,
Ye.G.; ZITSER, A.I., red.

[Course in organic chemistry] Kurs organicheskoi khimii.
Izd.5., perer. Moskva, Khimiia, 1965. 686 p.
(MIRA 18:5)

1. Chlen-korrespondent AN SSSR (for Terent'yev).

BLOKH, Grigoriy Abramovich, prof.; ZAKHARCHENKO, P.I., red.
ZITSER, A.I., red.

[Organic accelerators of rubber vulcanization] Organicheskie uskoriteli vulkanizatsii kauchukov. Moskva, Khimiia, 1964. 540 p. (MIRA 18:1)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut im. F.E.Dzerzhinskogo (for Blokh).

BERLIN, Aleksandr Yakovlevich; ZITSER, A.I., red.; PANTELEYEVA, L.A.,
tekhn. red.

[Laboratory work and equipment in organic chemistry] Tekhnika
laboratornoi raboty v organicheskoi khimii. Izd.2., ispr. i
dop. Moskva, Goskhimizdat, 1963. 372 p. (MIRA 16:8)
(Chemistry, Organic—Laboratory manuals)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

MEL'NIKOV, N.N.; MABOKOV, V.A.; POKROVSKIY, Ye.A.; ZITSHE, A.I., redaktor;
TEVDOKIMOVA, Z.N., tekhnicheskij redaktor.

[DDT; properties and use] DDT; svoistva i primenenie. Moskva, Gos. nauchno-tekhn. izd-vo khimicheskoi lit-ry, 1954. 203 p. (MERAS:1)
(DDT (Insecticide))

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6"

ZITSER, A.I., red.; ZAZUL'SKAYA, V.F., tekhn.red.

[Furfurole-based synthesis of monomers for the production of plastics and other synthetic materials] Sintez monomerov dlja poluchenija plastmass i drugikh sinteticheskikh materialov is furfurola. Moskva, Gos.nauchno-tekn.izd-vo khim.lit-ry, 1959. 48 p. (MIRA 13:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut plasti-
cheskikh mass.

(Furaldehyde) (Synthetic products)

YASHUNSKAYA, Felitsiya Iosifovna; ZITSER, A.I., red.; SHEMASTINA, Ye.V.,
red.; LUR'YE, M.S., tekhn.red.

[Synthetic rubber and its use in the national economy] Sinteticheskii kauchuk i ego primenenie v narodnom khoziaistve. Moskva:
Gos.nauchno-tekhn.izd-vo khim.lit-ky, 1958. 78 p. (MIRA 12:2)
(Rubber, Synthetic)

ZITSER, I., (Engr-Col)

Listed as author of article, "On the Utilization of Visual Training Aids in Classes on the Electrical Equipment of a Tank," which appeared in Tankist, No 5, May 1954. (Sovetskaya Armiya, Group of Soviet Forces, Germany, 25 May 54).

SO: SUM No. 208, 9 Sep 1954

ZITSER, I.S.

BARLAS, A.G., gornyy insh.; ZITSER, I.S., gornyy insh.

Metal supports in Nikopol manganese mines. Gor. zhur. no. 3:46-50
Mr '58.
(MIRA 11:3)

1. Nauchno-issledovatel'skiy geologo-razvedechnyy institut.
(Nikopol--Manganese ores)
(Mine timbering)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

ZITSER, I.S., inzh.

Sectional reinforced concrete supports in the mines of "Nikopol"-
Manganese" Trust. Shakht. stroi. no. 7:30-32 '59.

(MIRA 12:10)

(Precast concrete construction)
(Nikopol-Manganese ores)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6"

ZITSER, I.S., kand.tekhn.nauk; LITVIN, V.A., inzh.; PANYUSHKIN, P.P., inzh.

Using wear-resistant slag casting. Gor.zhur. no.3:51-52 Mr '65.

(NIRA 18:5)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Kryivoy Rog.

ZITSER, I.S.

BARLAS, A.G., inzh., ZITSER, I.S., inzh.; RIVEIN, I.D., kand.tekhn.nauk.

New timbering techniques used in mines of the Krivoy Rog and
Nikopol' Basins. Bezop.truda v prom. 1 no.10:5-6 0 '57.

(MIRA 10:11)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut.
(Krivoy Rog Basin--Mine timbering)
(Nikopol' Basin--Mine timbering)

ZITSER, I.S.
BARLAS, A.G., inzh., ZITSER, I.S., inzh.; RIVKIN, I.D., kand.tekhn.nauk.

New timbering techniques used in mines of the Krivoy Rog and
Nikopol' Basins. Bezop.truda v prom. l no.10:5-6 O '57.

(MIRA 10:11)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut.
(Krivoy Rog Basin--Mine timbering)
(Nikopol' Basin--Mine timbering)

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; PANYUSHKIN, P.P., inzh.;
RIVKIN, I.D., kand.tekhn.nauk

Production of solid crystalline cast material from basic types
of blast-furnace slag. Stroi.mat. 8 no.11:14-16 N '62.

(MIRA 15:12)

(Slag)

(Building materials)

BABUSHKINA, M.I., kand.tekhn.nauk; PISHCHURNIKOV, A.F., inzh.; ZITSER, Z.I.,
inzh.; VULKOVICH, Z.M., inzh.; BORISOVA, Ye.S., inzh.

Roof tiles from glass and sand. Stroi.mat. 9 no.9:30 S '63.
(MIRA 16:10)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6

ZITSERMAN, M. (Riga)

Reduced mixed crews operating hydraulic mining equipment. Stroi.
mat. 4 no.2:27-28 F '58.
(Latvia--Hydraulic mining)

(NIRI 11:2)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R002065230007-6"

ZITSERMAN, M.

ZITSERMAN, M., inzh.

Hydraulic fill methods for removal operations at gypsum pits.
Stroi.mat. 3 no.7:27 Jl '57. (MIRA 10:10)
(Hydraulic mining) (Gypsum)

AUTHORS: Barlas, A.G. and Zitser, I.S., Mining Engineers SOV-127-58-3-10/24

TITLE: Metallic Supports in Mines of the Nikopol' Manganese Basin
(Metallicheskaya krep' na shakhtakh Nikopol'skogo manganos-vogo basseyna)

PERIODICAL: Gornyy zhurnal, 1958, Nr 3, pp 46-50 (USSR)

ABSTRACT: The exploitation of the Nikopol' manganese deposits is conducted under very difficult conditions. The deposits form an argillaceous structure 2-3 m thick, which is covered by about 80 m thick layers of clays and sands; the underlying layers are also unstable and water-logged. The pressure is therefore very high and the galleries must be reinforced by supports. Until 1955 wooden supports were mainly used, but though very thick supports were used, they were systematically destroyed. The mine imeni Voroshilov uses metallic pliable supports of special profiles SP-18 and SP-28. Each support is a ring formed by 4 parts. This kind of support is the best adapted for these conditions of all-around pressure. The supports are placed at 0.5 m intervals and the roof and sides are tightened with wood. To work in "pliable conditions" the reaction of supports defined by the resistance in locks must not exceed their bearing capacity, otherwise the whole construction will work in "hard conditions" and

Card 1/2

Metallic Supports in Mines of the Nikopol Manganese Basin SOV-127-58-3-10/24

will be deformed even by lesser pressure. The authors present graphs of pliability and of pressure for SP-18 and SP-28 supports. The use of metallic supports in the manganese mine imeni Voroshilov greatly improved the conditions in the exploiting galleries and the amount of the ore left unextracted diminished twofold. The general ore output increased 2.5 times during three years of use of metallic supports, and the workers' production capacity increased sharply and, as a result, the cost of 1 t of manganese ore decreased. There are 2 photos, 1 figure and 3 graphs.

ASSOCIATION: (NIGRI)

1. Mining engineering
2. Soils--Stability
3. Structures--Design
4. Metals--Performance

Card 2/2

ZIL'BEROV, I.S., gornyy inzh.; ZITSER, I.S., gornyy inzh.;
OSTROUKHOV, I.I., gornyy inzh.

Using precast reinforced-concrete supports in the "Grushevskii"
Mine of the Nikopol' Manganese Trust. Gor. zhur. no.10:48-
50 O '61. (MIRA 15:2)

1. Grushevskiy rudnik tresta Nikopol'-Marganets (for Zil'berov).
2. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.
(for Zitser).
3. Trest Nikopol'-Marganets (for Ostroukhov).
(Nikopol' Region(Dnepropetrovsk Province)—Mine timbering)
(Precast concrete construction)

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; KIREYEV, V.D., inzh.; KOROLEV, I.
M., inzh.

Stand for testing the performance of mine supports. Shal'ht. stroi. 8
no. 8:17 Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.

Precast mine supports made from waste products from dressing iron quartzite. Shakht.stroi. 5 no.4:17-20 Ap '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Mine timbering) (Precast concrete)

KABANOV, S.S.; ZITSER, I.I., konstruktor

Mechanization of operations in the yarn rejection department.
Tekst. prom. 21 no.10:79-80 O '61. (MIRA 14:10)

1. Nachal'nik tekhnicheskogo otdela kombinata "Bol'shevichka"
sovmarkhoza Latviyskoy SSR (for Kabanov). 2. Kombinat
"Bol'shevichka" sovmarkhoza Latviyskoy SSR (for Zitsor).
(Latvia--Textile industry--Equipment and supplies)

YEMEL'YANOV, F.I., inzh.; ZITSERMAN, Yu.V.

Bridge made of reinforced keramizit concrete. Bet.1 zhel.-bet. 8
no.4:148-151 Ap '62. (MIRA 15:5)
(Bridge construction) (Reinforced concrete construction)

SINTAK, J., inz.; ZITTA, F., inz.; MULLER, M., inz.

Activity of the Chomutov District Water Conservation Agency in
the 1962-63 winter. Vodni hosp 13 no.7:258-261 '63.

1. Okresni vodohospodarska sprava, Chomutov.

Sov/99-59-8-9/10

30(1)

AUTHOR:

Zitta, F.I., Engineer

TITLE:

Giant Canal

PERIODICAL:

Gidrotehnika i melioratsiya, 1959, Nr 8, pp 51-59 (USSR)

ABSTRACT:

In the District of Kan'su, in the People's Republic of China, a gigantic canal, called "Ying-t'ao tsch'ü" is being built. Length: 1,400 kms. The water of the River "Tso-chüe" is used. 20 obstructions with level differences of 70 to 219 meters have to be eliminated. 11 power stations (260,000 kw) will be supplied with water and the canal will be navigable over its whole length. In comparison to the planned canal for the Yantze River, which will be 6,800 kms long, this canal is just a small one. Concerning the working methods, construction time, etc, this project is unique. The canal will serve mainly for irrigation purposes. The Chinese Government contributes only 10% of the construction materials. The rest of the work will be carried out by the peasants. The foundations will be completed within 2-3 years. The peasants do not agree with the limited foundations, since the hydrometric data are valid only for two years and it is to be expected that

Card 1/2

Sov/09-59-8-9/10

Giant Canal

more water will be accumulated. The peasants have decided to enlarge the canal and instead of building tunnels they will break through the hills. Since there are no plans for material supply, the peasants have to organize everything themselves: cement work, railroad tracks made of loam, etc. The construction was decided in March 1958 and the work started on June 17, without plans and sketches. Engineer Shyug Kay declared that the peasants will also build their own irrigation systems. The planning engineers transferred their working places to the building sites in order to change the plans together with the construction engineers, Party functionaries, peasants and government officials or to improve designs. The basic canal of a length of 600 kms must be completed within a year. The explosives too are produced by the peasants at the building sites. The housing for the workers are erected in 2-3 days in caves, tents or stone buildings. The number of peasants working on the construction is around 250,000. In August, productivity reached 23.3 cubic meters per day, per capita. As measures against erosion, galleries were built into the hills. There are 6 diagrams and 12 photographs.

Card 2/2

ZITTA, F.I., inzh.

Water resources development in the Sinkiang-Uigur Autonomous Region of the Chinese People's Republic. Gidr. i mol. 11 no.1:54-58 Ja '59. (MIRA 12:1)

(China--Water resources development)

ZITTA, F. I.

6767. Zitta, F. I. Obvodneniya stavropolya. Stavropol', Kn.
izd., 1954 . 47. s. 20 sm. 3.000 ekz. 45 k. --(55-1793) p
631.6:626.8 (47.911)

SO: Knizhnaya Letopis' №o. 6, 1955

AUTHOR: Zitta, F.I., Engineer SOV/99-59-1-12/13

TITLE: The Construction of Meliorative Installations in
the Sin'tzyan-Uygur Autonomous Region (S-UAR)
(Vodokhozyayatvennoye stroitel'stvo v Sin'tsyano-
Uygurskom Avtonomicheskom Rayone KNR, S-UAR)

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 1, pp 54-
58 (USSR)

ABSTRACT: The author describes the planned meliorative in-
stallations which will be constructed in the Sin'-
tzyan-Uygur Autonomous Region (S-UAR) in China.
There is 1 map.

Card 1/1

ZITTA, F.O., inzhener.

Outlook for the use of artesian water in the Nogai Steppe.
Gidr. i mel. 6 no.12:15-18 D '54. (MLRA 8:1)
(Nogai Steppe--Irrigation) (Artesian wells)

ZITTA, F.O., inzhener.

Supplying water to the Nogai Steppe. Gidr.i mel. 5 no.10:10-18 0 '53.
(MILIA 6:9)
(Nogai Steppe--Water supply, Rural) (Water supply, Rural--Nogai Steppe)

BUSSEN, I.V.; POMERANTSEVA, N.G.; ZITTA, Ye.F.

Dike of alkaline lamprophyre from Karnasurt Mountain (Lovozero Tundras). Vop. geol. i min. Kol'. poluos. no. 3:234-240 '60.
(MIRA 13:9)
(Lovozero Tundras--Lamprophyre)

ZITTL, C.

"Problems solved in connection with the study of tracings of railroads."

p. 118 (Probleme Feroviare) Vol. 3, no. 3, Mar. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4,
April 1958

EXCERPTA MEDICA Sec 15 Vol 12/11 Chest Dis. Nov 59

2565. THREE YEARS' EXPERIENCE IN THE PROBLEM OF LUNG RESECTION-

Treci ani de experiență în problema rezecției pulmonare - Zitti E.

Rosu P., Corbu M., Brand L., Popa V., and Costea A. -

CHIRURGIA (București) 1959, 8/1 (73-83) Grapha 5

The first 200 of 235 lung resections were followed up for periods of from 6 months to 3 yr. and form the object of a statistical analysis. Complications and deaths as well as of the roentgenological and functional results are discussed. (IX.5)

RUMANIA

OANCEA, T., Colonel, Medical Corps; ZITTI, Eugen, Dr., GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; IONESCU, P., Major, Medical Veterinary Corps; SAFTA, T., Major, Medical Veterinary Corps; POPESCU, P., Lieutenant-Colonel, Medical Corps; and STEFANESCU, Th., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Pulmonary Autografting"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 226-228

Abstract: Report on total pulmonary autograft studies on 11 dogs, with survival up to 9 days. The metabolic and general tissue viability as well as details of surgical technic must be mastered thoroughly before the major problem of immune reaction comes up. 1 table.

1/1

- 53 -

KARPINISHAN, K. [Carpinisan, G.], professor; ZITTI, Ye. [Zitti, E.],
kand.med.nauk; BOGDAN, Tr.

Cardiac and respiratory arrest in thoracic operations. Vest.khir.
89 no.7:85-92 Jl '62. (MIRA 15:8)

1. Iz Bukharestkoy kliniki grudnoy khirurgii "Filaret" (dir. -
prof. K. Karpinishan)
(CHEST--SURGERY) (HEART FAILURE) (ANOSMIA)

Zitti, EXCERPTA MEDICA Sec 15 Vol. 11/8 Chest Aug 58

1680. CONSIDERATIONS ON 100 PULMONARY RESECTIONS FOR TUBERCULOSIS-
Considerații asupra a 100 de rezecții pulmonare pentru tuberculoză -
Zitti E., Roșu P., Iordan C., Brand L., Corbu M., Popa V., Niculescu P., Tipărescu E., Mangiulea V., Poiană C. and Voinescu R. - FTIZIOL. (București) 1957, 6/4(312).
325) Graphs 3 Tables 1

This is a study referring to 100 pulmonary resections for tb, including 18% total resections, 32% lobar resections, 46% atypical segmental resections (unisegmental and bisegmental, combined in different lobes, simultaneous and successive bilateral resections), 2% atypical resections of the type of enucleation. The authors advocate economical pulmonary resections sparing as much as possible of the healthy parenchyma and the respiratory function. Preference is given to the typical resection. Complications: bronchial fistulas: 5%, empyemas: 4%. Mortality: 7% (2% of operative-anaesthetic deaths occurring in the first 24 hr., 3% early deaths, occurring in the first month and 2% late deaths. On account of the favourable results obtained which were confirmed by the functional results, the method of resection is definitely preferred in the surgical treatment of pulmonary tb.

Bazacopol - Bucharest (XV, 9)

Zitti, R.

RUMANIA/Cultivated Plants - Medicinal, Essential Oil, and
Poisonous.

M-7

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11115

Author : Teitel, A., Zitti, R., Bojor, O.

Inst :

Title : Dogrose Varieties with Large Ascorbic Acid Contents in
The Rumanian People's Republic.

Orig Pub : Comun. Acad. RPR, 1956, 6, No 7, 941-947

Abstract : Analysis of the fruits of various varieties of dogrose
of the Rumanian People's Republic has determined that
the fruits of Rosa Pendulina L. contain the maximum
quantity of ascorbic acid -- 9510 mg. per 100 g.; in the
second place is R. glauca Vill. (5280 mg. per 100 g.).
Dogrose species of the Caninae section contain much less
ascorbic acid (500-2800 mg. per 100 g.).

Card 1/1

ROMANIA

CONSTANTINESCU, D. Gr., MD, Pharmacist; ZITEL, R., MD, Pharmacist.

Bucharest, Farmacia, No 9, Sep 63, pp 561-569

"Considerations Regarding the Monographs of Plant Products in
the New Edition of the Romanian Pharmacopoeia."

ZITTI, Ya. [Zitti, E.]; POPESCU, L. [Popescu, L.] (Bukharest, rayon 30 Dekabrya, ul. Barbu Delayranesha); DINKE, G. [Dinca, G.]; FOTIADE, B.; IONESCU, K. [Ionescu, K.]; DANCIU, I. [Danciu, I.]

Significance of heart catheterization in pulmonary surgery.
Vest. khir. 90. no.2:63-69 F'63. (MIRA 16:7)

1. Iz kliniki torakal'noy khirurgii (dir. - prof. K.Karpinishan) i laboratori issledovaniya serdechno-legochnoy funktsii (dir. prof. V.Marinesku), bukharest.
(CARDIAC CATHETERIZATION) (LUNGS-SURGERY)

ZITTI, Ye.s POPESKU, Lidiya [Popescu, Lidia] (Rumyniya, Bukharest,
rayon 30 Dekabrya, ul Barbu, Delayrans'ye, d.2, kv.13);
KYRSTYA, M. [Cirstea, M.]; DINKE, G. [Dinca, G.]

Acute respiratory insufficiency in thoracic surgery. Vest.
Khir. 91 no.12:11-18 D '63. (MIRA 17:9)

1. Iz kliniki torakal'noy khirurgii (dir.- prof. K. Kerpinishan
[C. Carpinisean]), Bukharest.

ZITTI, Ye.; BRAND, L.; KORBU, M.; POPA, V.

Bilateral pulmonary resections in tuberculosis [with summary
in English]. Rhirurgia 35 no.1:25-28 Ja '58. (MIRA 12:2)

1. Ig tuberkulesnogo sanatoriya Moroyen' Rumyniya.
(PNEUMONECTOMY, in var. dis.
tuberc., bilateral (Bns))

POPECKU, L. [Popescu, L.] (Bukharest, rayon 30 Dekabrya, ul. Barbu Delavrance, d.2, kv.13); ZITTI, Ye.

Surgical tactics in lung cancer. Vestn. khir. Grekov. 90 no.4: 9-12 Ap'63 (MIRA 17:2)

1. Iz kliniki torakal'noy khirurgii (direktor -- prof. K.Karpinishan), Bukharest .

BC

2-3

Preparation of cyclic imine alkaloids. Opening of the ring of 6 : 7-dimethoxyisoquinoline. M. I. KARAEV
SCHMID AND A. I. ZINOV'EV (J. Gen. Chem. Russ., 1937,
7, 163-168).—(1) 7-Dimethoxyisoquinoline (I) m.p.

1 : 2 : 4-C₆H₄O₂Cl₂(II), in Et₂O yield 6 : 7-dimethoxy-N,N'-4-dinitrophenylisoquinoline chloride (III), m.p.
164-165°, converted by eq. NH₃ into 1,4-dinitro-
6 : 7-dimethoxy-2-(2':4'-dinitrophenyl)-1 : 2-dihydro-
isoquinoline, m.p. 162-163° (1-O-Me, m.p. 116-
118°; 1-O-Bz derivative, m.p. 140-148°). The
appropriate bases with (II) yield (I) and 2 : 4-dinitro-
or 2 : 4-dinitro-1'-methyl-diphenylamine, or N,N'-4-
dinitrophenylpicridine.

R. T.

AB-1A. METALLURICAL LITERATURE CLASSIFICATION

ECON. STATEMENT	SUBJECT	GENERAL		INDUSTRIAL		SCIENTIFIC	
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98	0	0	0	0	0	0	0
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ZITZER, A. I.

"Sur la question de la rupture des azomethines cycliques. Rupture de la 6, 7 dimethoxy-
isoquinolene." Kabatchnik, M. I. et Zitzer, A. I. p.162

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 1.

OC

R-3

Ammonium salt, V. Aminoguanidines and their salts (U.S.P.). U. S. Patent Office, 1940, 21, 1007-1012. 3-(3,4-dihydro-2H-1,2-dihydro-4-oxo-5-oxo-1,2-dihydro-4H-pyrazole-5-yl)-N,N-dimethylguanidine (U.S. Pat. 2,407,180) yields a mixture of 2-(3,4-dihydro-2H-1,2-dihydro-4-oxo-5-oxo-1,2-dihydro-4H-pyrazole-5-yl)-N,N-dimethylguanidine, m.p. 91.5-92.5° [melts at 100-102°]; 2-(3,4-dihydro-2H-1,2-dihydro-4-oxo-5-oxo-1,2-dihydro-4H-pyrazole-5-yl)-N,N,N,N-tetramethylguanidine, m.p. 122-123.5°; 2-(3,4-dihydro-2H-1,2-dihydro-4-oxo-5-oxo-1,2-dihydro-4H-pyrazole-5-yl)-N,N,N,N-tetraethylguanidine, m.p. 104-105°; 2-(3,4-dihydro-2H-1,2-dihydro-4-oxo-5-oxo-1,2-dihydro-4H-pyrazole-5-yl)-N,N,N,N-tetraisopropylguanidine, m.p. 142-143°. The toxicity and pharmacological activity of the acetaminophen-*N*-*N*-dimethylguanidino derivative is less than that of acetaminophen.

AIA-SEA INTELLIGENCE LITERATURE CLASSIFICATION

CIA-2000-00000000

SYNONYM/STUDY NUMBER	SUBJECT WORDS AND KEY WORDS	CLASSIFICATION											
		1	2	3	4	5	6	7	8	9	10	11	12
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

ZIUGZDA, A., med. m. dr.

Current aspects of rheumatism control. Sveik. apsaug. 8 no.12:
35-40 D'63.

1. Kauno Valst. medicinos instituto vidaus ligų propedeutikos
katedra.

ZIUGZDA, A., doc. med. m. dr.]] VAIKSHYTE, A.

A differential reaction for rheumatism. Sveik. apsaug. no.7:3-7
'62.

1. Kauno Valstybinis medicinos institutas.
(RHEUMATISM)

USSR / Pharmacology and Toxicology--Medicinal Plants

V-5

Abs Jour: Ref Zhur-Biol, No 23, 1958, 107372

Author : Ziugzda, A.

Inst : Kaunas Medical Institute

Title : Balantidial Colitis and Its Treatment with
Phytoncides

Orig Pub: Kauno valstybinio med. inst. darbai. Tr. Kaunassk.
med in-ta, 1955, 2, 63-76

Abstract: The treatment of four patients with onion juice introduced as an enema produced a positive effect in all cases. According to the author, particularly good results can be obtained when the onion juice is applied with other protistocidal agents. Bibliography: 27 titles. --M. Ya. Melzobs

Card 1/1

31

ZIUGZDA, Juozas, ed.

Documents of headquarters of M. I. Kutuzov, 1805-1806. Vil'nius, Gos. izd-vo polit. lit-ry, 1951 358 p. (54-29956)

DK190.L5

MATULIS, J., red.; ZIUGZDA, J., red.; JUCYS, A., red.; LASAS, V.,
red.; KORSAKAS, K., red.; PETRAUSKAS, V., red.; ISKAUSKAS, J.,
red.; FRIDAITE, I., red.; SARKA, S., tekhn. red.

[Science in Soviet Lithuania] Mokslas Tarybu Lietuvoje. Vilnius,
Valstybine politines ir mokslingos literaturos leidykla, 1961.
334 p. (MIRA 15:3)

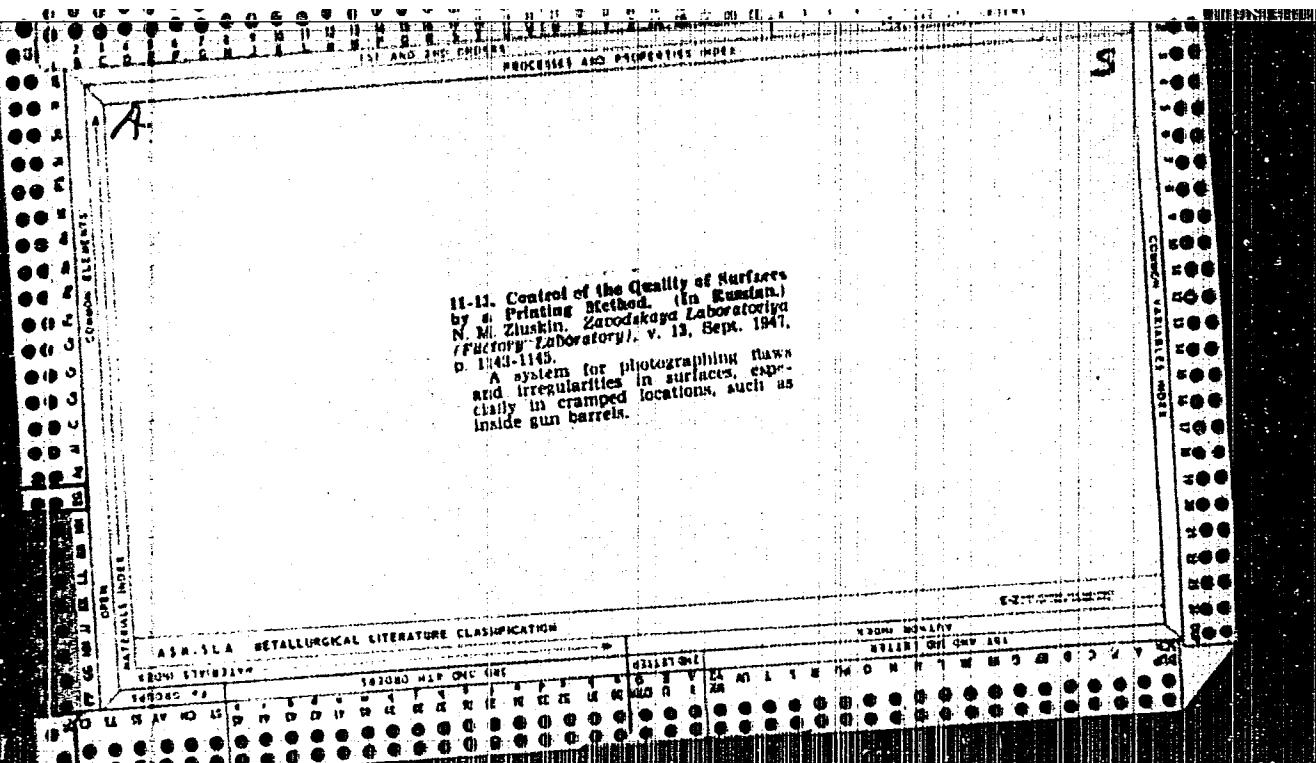
1. Lietuvos TSR Mokslu akademija, Vilna.
(Lithuania—Science)

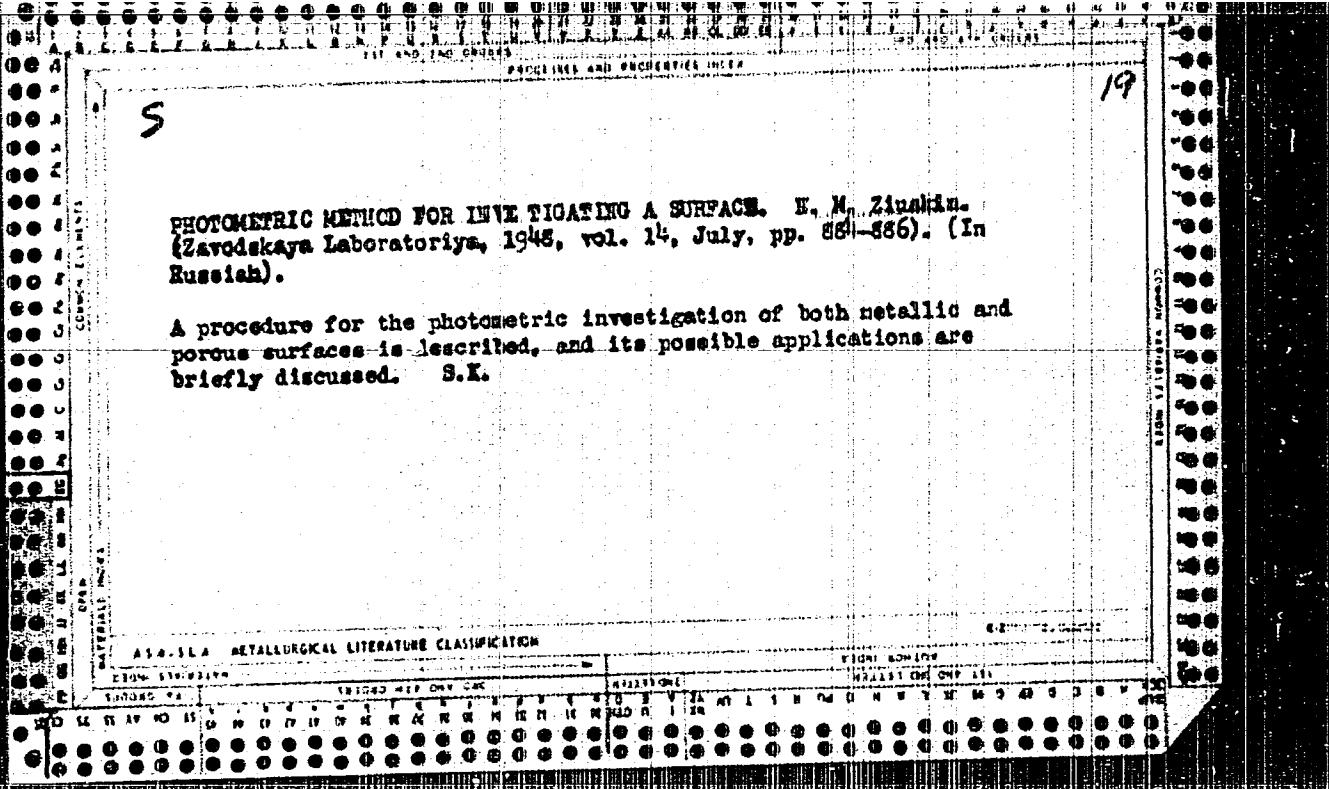
1. ZIUKOVA, A., PETROSIAN, S. L., METOVA, A. P.
2. USSR (600)
4. Sables
7. Infectious gastroenteritis in sables. Kar. i zver. 5 No. 6 1952.

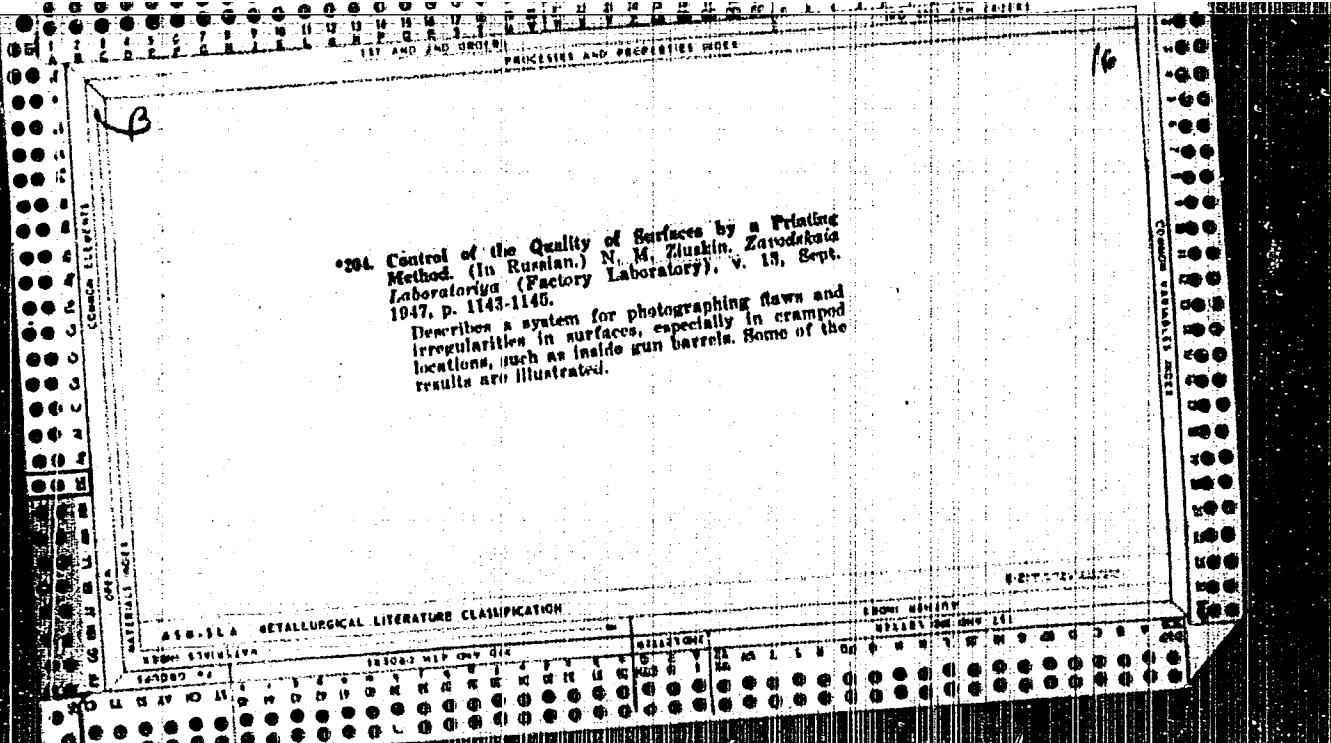
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

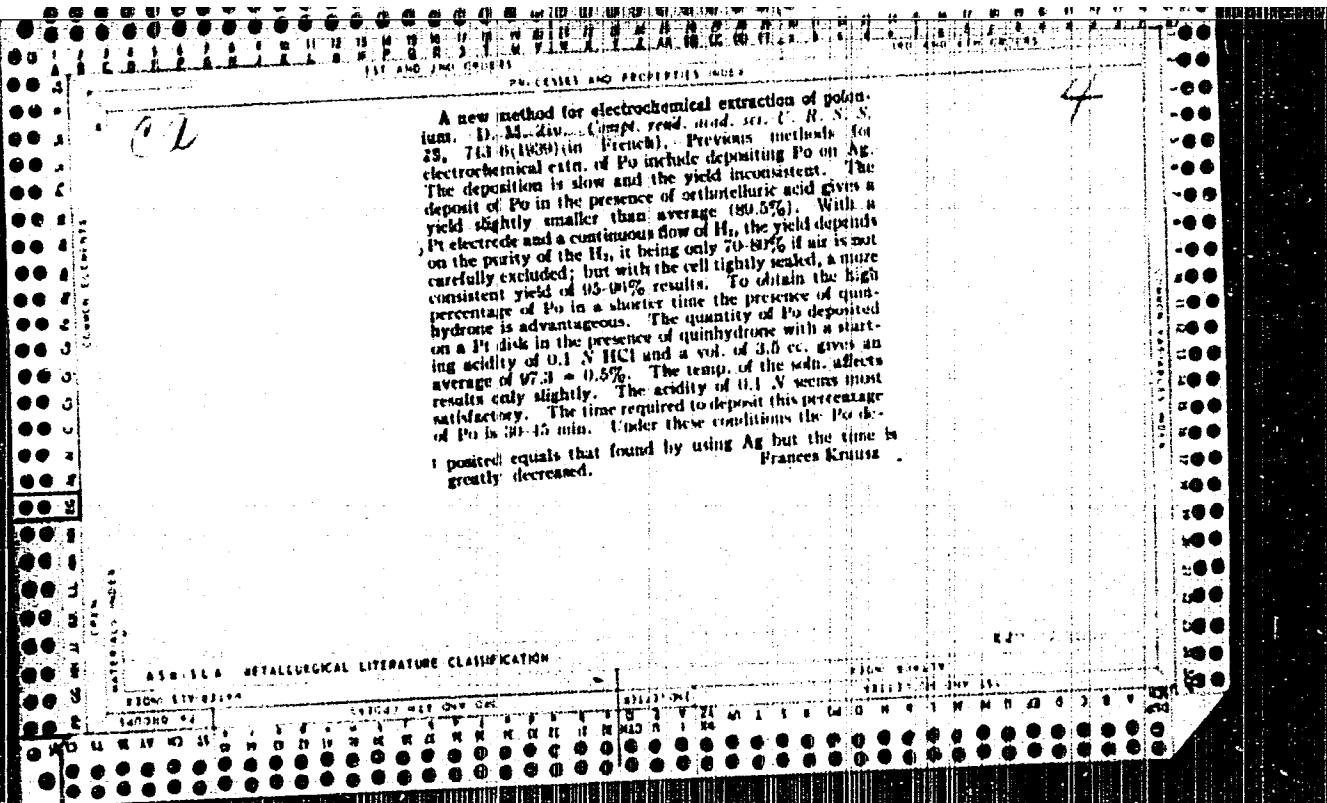
BTR

9829* The Role of Complex Silver Compounds in the Developing Process. (In Russian.) M. M. Zunkin. *Zhurnal Prikladnoi Khimii*, v. 24, Nov. 1951, p. 1112-1130.
The reactions in photographic development were investigated. Data are tabulated, charted, and illustrated by photometric graphs.









A10-100-100-100-100
FRACTION AND ORDERED INDEX

H-1

Electrochemical extraction of polonium. D.
M. Ziv (Compt. rend. Acad. Sci. U.R.S.S., 1960, 25,
715-740).—Broken tubes containing Ra disintegration
products are boiled in aqua regia and the solution
is evaporated to dryness and reduced red in 0.1N-HCl
(1: 0.6). The product is treated with 0.006N-quin-
hydron (in 0.1N-HCl), and a Pt disc is rotated in the
mixture for 20–45 min., when ~7% of the solubility
is transferred to the Pt. Longer periods are required
for the deposition of Po on Ag. J. W. S.

A10-100-100-100-100
METALLURGICAL LITERATURE CLASSIFICATION

TOPIC STATEMENT		TOPIC NUMBER	
REPORTS &	SECTION 100-000-000	COLLECTIVE	SECTION 100-000-000
100-100-100-100-100	100-100-100-100-100	100-100-100-100-100	100-100-100-100-100

ZIV, D. M.

"New Method of an Electromatic Extraction of Polonium," Dok. AN, 25, No. 9, 1939.

Mbr., Radium Inst., Dept. Chem. Sci., Acad. Sci., 1939..

ZIV, D.N.

21(3)

SC 1226
Vsesoyuznyi Nauchno-Issledovatel'skiy Institut po Promstoyannym Protsessam i Tekhnologiyam
Sistemy i Rezul'tativnye Materialy
4750 CPSSO Pressiya

SPONSORING ORGANIZATION: Vsesoyuznyi Nauchno-Issledovatel'skiy Institut po Promstoyannym Protsessam i Tekhnologiyam
atmosfernye vodospis'i, and Universitetskaya nauch. Sovet.

Editorial Board of Sci. V.I. Zhdanin, Averchenko (Head, Ed.), K.M. Savchenkov (Deputy Head, Ed.), N. S. Zaslavskiy (Deputy Head, Ed.), L.K. Tatchchchko, B.V. Verchovskiy, B.F. Savarov, L.I. Petrenko, and N.O. Zeleninskaya (Secretary).

Ed. of Publishing House: P.D. Belovyan; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

content: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine-and-instrument-manufacturing industry. The individual papers discuss the applications of radiotopes and techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers are devoted to the use of radioisotopes in the automation of industrial processes, recording and measuring devices, quality control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet Institutes and laboratories. They were published as proceedings of All-Union Conferences on the Use of Radioisotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned. References are given at the end of most of the papers.

Avtor: Ya.-A. V.S. Berezkin, E.M. Gurev, I.M. Tsvetko, A.G. Tumilov, I.Z. Chuprakov, I.A. Grinberg, and V.I. Yushkevich. Horodsky (Institut fiziki i tekhnicheskikh problem radioaktivnosti i radioizotopov), Leningrad. Izdatel'stvo Naukova Dumka, presl'es "Difraktsiya", Leningrad, 1958. Komissarij, "Kom-pres", "Difraktsiya", "Institut of Physics, Academy of Sciences, Latvian SSR; VUPK", "Kompresor", and "Dnepropravtsestvo". Automation and Control Equipment With Radioactive Relays 229

Sergein, V.G. (Vsesoyuznyi nauchno-issledovatel'skiy institut po Promstoyannym Protsessam i Tekhnologiyam). Odessa Metal Works 253

Elektroenerg. i s. Evaluation of the Minimum Necessary Charge of Counters in a Gasoline Refinery 265

Shmelevich, M.M., Yu.Y. Marchukhin, and N. I. Golomolitov. Traktivnoye upravleniye radioizotopami. An atlas - Institute of Automation and Radiotronics, Academy of Sciences, USSR. Use of Radioisotopes for the Automatic Control of the Flow of Liquid 267

Bogachchenko, V.A., T.I. Kostyleva, and V.I. Tsvetkov. Vysokochastotnyi radioizotopnyi letiatschiy dlini 2 m. Leningradskiy statoproekt, Savod - Institut po Fizike, Akademiya Nauk, Leningrad. 1958. Leningrad Steel Rolling Mill). Use of Short-Lived Radioisotopes in the Control of the Process of Steel Strip Manufacture 271

Shmelevich, M.M., and I.V. Mel'nikov (Institut Arktosetekhniki i tekhnicheskikh issledovaniy). An atlas - Institute of Arctic and Subarctic Problems, Academy of Sciences, USSR. Use of Radioisotopes for the Automatic Control of the Volume and Velocity of a Stream of Gas 275

Rabin, Ya. Yu. and B.M. Zarev. Use of Alpha Emitters for the Measurement of Gas Density 280

Spil'dman, G.G., K.G. Peresad, and T.G. Neiman (Mechanicheskii nauchno-issledovatel'skiy institut po Promstoyannym Protsessam i Tekhnologiyam). Research Institute for Materials Processing - Scientific Research Institute for Gaseous-Fuel Instrumentation - Equipment for the Automatic Control of Gas Flow by Means of Beta Radiation 286

Polenova, T.A., I.V. Mel'nikov, and N.N. Ponomaryov (Grozneftegaz).

Radioisotopnyi radioaktivnyi i zhidkochislennyi analizatory prevedyashchenniya -

Central Scientific Research Institute of the Oil Industry. Use

of Radioactive Isotopes for the Preparation of Explosivates

Charges in the Oil Industry 293

APPROVED FOR RELEASE: 07/16/2001

ZIV, D. M., SINTSYNA, G. C., (Radium Inst im V. G. Khlopin AS USSR)

"An Electrochemical Method of Investigating Radioactive Elements as a Means of Studying Chemical Properties"

Isotopes and Radiation in Chemistry, Collection of papers of 2nd All-Union Sci. Tech. Conf. on Use of Radioactive and Stable Isotopes and Radiation in National Economy and Science, Moscow, Izd-vo AN SSSR, 1958, 380pp.

This volume published the reports of the Chemistry Section of the 2nd AU Sci Tech Conf on Use of Radioactive and Stable Isotopes and Radiation in Science and the National Economy, sponsored by Acad Sci USSR and Main Admin for Utilization of Atomic Energy under Council of Ministers USSR Moscow 4-12 Apr 1957.

Ziv, D.M.

09-3-13/30

AUTHORS: Ziv, D. M., Efros, I. A.

TITLE: The Effect of α -Activity on the Corrosion Rate of Platinum and Zirconium in Hydrobromic Acid (Vliyaniye α -aktivnosti na skorost' korrozii platiny tsirkoniya v bromistovodorodnoy kisloty)

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 5, pp. 293 - 294 (USSR)

ABSTRACT: The corrosion factor $K(g/m^2.h)$ of 99,9 % pure platinum and zirconium was determined in the case of their being washed with a 47 % HBr. Po-210 (from 0,3 to 1 Ci/ml) was added to the acid.

The following results were obtained:

- 1) The addition of considerable α -activities at room temperature does not lead to an increase of the corrosion rate of platinum.
- 2) At 80°C and an activity of 0,3 Ci/ml only a minor increase of the corrosion rate of platinum occurs. The corrosion proceeds fastest according to the following order: the sample is completely immersed in the corrosive agent; it is immersed

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89-3-13/30

The Effect of α -Activity on the Corrosion Rate of Platinum and Zirconium
in Hydrobromic Acid

only partly in the vapor of the corrosive agent.
3) When an α -activity of from 0,25 - 0,3 C/ml is present
the corrosion rate of zirconium increases about 100 times.
4) Solid zirconium cubes corrode practically like zirconium
foils. There are 2 tables, and 4 references, 2 of which are
Slavic.

SUBMITTED: September 5, 1957

AVAILABLE: Library of Congress

1. Platinum-Corrosion factor-Determination 2. Zirconium-Corrosion
factor-Determination

Card 2/2

ZIV, D.M.; SINITSYNA, G.S.; MVROS, I.A.; VOLKOVA, Ye.A.

A method of preparing stable alpha-, beta-, and gamma-sources
using inorganic enamels. Atom. energ. 4 no.5:469-470 My '58.

(MIEA 11:6)

(Radioactivity--Instruments)

20-119-6-37/56

AUTHORS: Emanuel', N. M., Blyumberg, E. A., Ziv, D. M., Pikayeva, V.L.

TITLE: The Initiating Effect of the Radiation of Radon in the Process
of the Oxydation of Isodecane (2,7-Dimethyloctane)(Initsiiruy-
ushcheye deystviye izlucheniya radona v protsesse okisleniya
izodekana (2,7-dimetiloktana))

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 6,
pp. 1183 - 1186 (USSR)

ABSTRACT: The application of the radiations of radioactive gases for the initiation of chain reactions can be very effective and this not only in slow chain reactions in the liquid phase. Besides, the application of radioactive gases allows interesting experiments with chain reactions in the gaseous phase. This work uses as test object the oxidation of isodecane (2,7-dimethyl-octane) on the action of α -particles of radon. The authors started from the fact that the processes of the oxidation of the hydrocarbons in the liquid phase represent degenerate-branched chain reactions. Therefore such processes can be stimulated only in the initial period in the development of the process. The

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The Initiating Effect of the Radiation of Radon in the Process of the Oxidation of Isodecane(2,7-Dimethyloctane) 20-119-6-37/56

action of radon radiation leads to the occurring of active particles (free radicals and atoms), i. e. to the increase of the initial velocity of the production of the chains w_0 . The experiments were made in a glass device with oxidation cell. The device and the performance of the experiments are illustrated by a figure. 2 diagrams illustrate the curves for the accumulation of the peroxides and acids in the oxidation of isodecane, initiated by α -radiation of radon (and also by the α -and β -radiation of the decay products of Rn). The short stimulating action of the radon radiation is enough for a considerable decrease of the induction period in the production of the hydro-peroxides. Also the maximum yield of the peroxide compounds is increased. The very strong increase of the production velocity of the active centers must lead to a considerable diminution of the induction period, which also experimentally is observed. Still more effective is the action of the α -radiation of Rn upon the reaction velocity after the end of the induction period. The authors thank V. M. Vdovenko for his inter-

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The Initiating Effect of the Radiation of Radon in the 20-119-6-37/56
Process of the Oxidation of Isodecane (2,7-Dimethyloctane)

est in this work and V. M. Permyakov and his collaborators
for the production of the radon preparations used in this work.
There are 3 figures and 3 references, 3 of which are Soviet.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of
Chemical Physics AS USSR). Radiyevyy institut Akademii nauk SSSR
(Radium Institute AS USSR)

PRESENTED: December 28, 1957, by V. N. Kondrat'yev, Member, Academy of
Sciences, USSR

SUBMITTED: December 25, 1957

Card 3/3

NIKOL'SKIY, B.P.; SINITSYNA, G.S.; ZIV, D.M.

Determination of the valency of polonium in solutions. Trudy
Radiev.inst.AN SSSR. 8:141-152 '58. (MIRA 12:2)
(Polonium) (Valence (Theoretical chemistry))

ZIV, D.M.; ZIV, V.S.; SINITSYNA, G.S.

Use of the electrochemical method for determining the solubility
of polonium hydroxide. Trudy Radiev. inst. AN SSSR. 8:158-162
'58. (MIEA 12:2)

(Polonium hydroxide) (Electrochemistry)

ZIV, D.M.; SINITSYNA, G.S.

Determination of the deposition potential of polonium on
platinum. Trudy Radiev.inst.AN SSSR. 8:138-140 '58.
(MIRA 12:2)

(Polonium)

(Electromotive force)

ZIV, D.M.; SINITSYNA, G.S.

Determination of the electrode potentials of radioactive elements.
Trudy Radiev. inst. AN SSSR. 8:127-137 '58. (MIREA 12:2)
(Radioactive substances) (Electromotive force)

89-4-5-11/26

AUTHORS: Ziv, D. M., Sinitsyna, G. S., Efros, I. A., Volkova, Ye. A.

TITLE: Method of Preparing Stable α , β , and γ -Radio-active Sources
by Use of Inorganic Enamels (Metod izgotovleniya ustoychivykh
 α -, β - i γ -radioaktivnykh istochnikov na osnove neorganicheskikh
emaley)

PERIODICAL: Atomnaya Energiya, 1958, Vol 4, Nr 5,
pp 469 - 470 (USSR)

ABSTRACT: The inorganic enamel is used as an adhesive as well as a protective substance. Thereby an insensibility of the preparations, for instance, against humidity, changes of temperature etc. is attained. Gold foil served as a base for the preparing of radium preparations. The following composition of enamels were used:

SiO_2 - 34%

PbO - 30%

Na_2O - 5%

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89-4-5-11/26

Method of Preparing Stable α -, β -, and γ -Radio-active Sources by Use of
Inorganic Enamels

BaO - 30%
 B_2O_3 - 3%

The radium was added to the enamel as radium-oxide. The procedure of the preparing of the preparations is described with all particulars and is characterized by four sections:
1. Preparing of a titrated enamel suspension.
2. Preliminary enameling of the base.
3. Appliance of the radio-active preparations to the first enamel-base.
4. Appliance of a protective film of enamel.
There are 1 table and 6 references, none of which are Soviet.

SUBMITTED: January 15, 1958

AVAILABLE: Library of Congress
Card 2/2

1. Alpha rays--Sources 2. Beta rays--Sources 3. Gamma rays
--Sources 4. Radioactive substances--Handling 5. Enamel
coatings--Applications

NIKOL'SKIY, B.P.; ZIV, D.M.; SHESTAKOV, B.I.; SINITSYNA, G.S.

Effect of the nature and concentration of acid on the value
of the electrode potential of polonium. Trudy Radiev.inst.
AN SSSR. 8:153-157 '58. (MIRA 12:2)
(Polonium) (Acids) (Electromotive force)

ZIV, D.M.; EFROS, I.A.

Effect of α -activity on the rate of corrosion of platinum and
zirconium in hydrobromic acid. Atom. energ. 4 no. 3:293-294 Mr '58.
(MIREA 12:3)
(Platinum—Corrosion) (Zirconium—Corrosion) (Alpha rays)

ZIV, D.M.; ISHINA, V.A.

Use of radioactive indicators for the investigation of the electro-
chemical separation of bismuth from dilute solutions. Radichimia
1 no.2:185-195 '59. (MIRA 12:6)
(Bismuth) (Electrochemistry)

ZIV, D.M.; EFROS, I.A.

Determination of the solubility of polonium hydroxide. Radiokhimia
1 no. 3:290-294 '59. (MIRA 12:10)
(Polonium hydroxide)

1000 1000

country	: GDR	B-7
CATEGORY	:	
ABS. JOUR.	: RZhKhim., No. 21 1959, No. 74175	
AUTHOR	: Ziv, D. M., Sinicina, G. S., Efros, I. A., and	*
INST.	: Not given	
TITLE	: A Method for the Preparation of Stable Alpha, Beta, and Gamma-Emitting Sources Based on Inorganic Enamels	
ORIG. PUB.	: Kernenergie, 2, No 3, 295-296 (1959)	
ABSTRACT	: A translation. See RZhKhim, 1958, No 22, 75186.	

CARD: 1/1 * Volkova, Ye. A.

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